

Natural Resources and Environmental Protection Cabinet
Kentucky Department for Environmental Protection
Division for Air Quality

PERMIT
DANA CORPORATION
SPICER HEAVY AXLE AND BRAKE DIVISION
1320 WEST MAIN STREET
GLASGOW, KENTUCKY 42141

RE: Truck axle manufacturing facility located at the above referenced address

Pursuant to your application which was determined to be complete by this office on March 24, 1998, the Natural Resources and Environmental Protection Cabinet issues this permit for the operation of the equipment specified herein in accordance with the plans, specifications, and other information submitted with your application. This permit has been issued under the provisions of KRS Chapter 224.10-100 and regulations promulgated pursuant thereto and is subject to all conditions and operating limitations contained herein. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet and/or other state, federal, and local agencies.

<u>POINT OF EMISSION</u>	<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
01 (07-11)	Rotary Hearth Furnace Line (Rotary Quench Tank, Rotary Hearth Furnace)	1. Steel parts processing rate shall not exceed 0.1 ton per hour. 2. Particulate emissions shall not exceed 2.58 lbs per hour, as Required by Regulation 401 KAR 61:020. 3. Visible emissions shall not equal or exceed 40 % opacity, as required by Regulation 401 KAR 61:020.

No deviation from the plans and specifications submitted with your application or the conditions specified herein is permitted, unless authorized in writing by the Division for Air Quality. Violations of the terms and conditions contained herein shall be grounds for the Department to seek revocation of this permit. All rights of inspection by the representatives of the Division for Air Quality are reserved. Responsibility for satisfactory conformance with all Air Quality Regulations must be borne by the permittee.

PERMIT NUMBER: S-96-107 (Revised)

DEP7001 (1-93)

Issued this 2nd day of April 1998

FILE NUMBER: 105-0160-0005

REGION: South Central

John E. Hornback, Director

COUNTY: Barren

Robert W. Logan, Commissioner

SIC CODE: 3714

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<u>POINT OF EMISSION</u>	<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
02 (12-16)	Super Allcase Furnace Line (Spray Washer, Draw Furnace)	<ol style="list-style-type: none">1. Steel parts processing rate shall not exceed 0.75 ton per hour.2. Particulate emissions shall not exceed 3.38 lbs per hour, as Required by Regulation 401 KAR 61:020.3. Visible emissions shall not equal or exceed 40 % opacity, as required by Regulation 401 KAR 61:020.
03 (23)	Two Forging Presses	<ol style="list-style-type: none">1. Steel parts processing rate shall not exceed 0.4 ton per hour each.2. Particulate emissions shall not exceed 2.58 lbs per hour each, as required by Regulation 401 KAR 61:020.3. Visible emissions shall not equal or exceed 40 % opacity, as required by Regulation 401 KAR 61:020.
05 (25-27)	Phosphating Line	<ol style="list-style-type: none">1. Steel parts processing rate shall not exceed 2.5 tons per hour.2. Particulate emissions shall not exceed 7.58 lbs per hour, as required by Regulation 401 KAR 61:020.3. Visible emissions shall not equal or exceed 40 % opacity, as required by Regulation 401 KAR 61:020.

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<u>POINT OF EMISSION</u>	<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
06 (28-30)	Maclead 3-Stage Washer	<ol style="list-style-type: none">1. Steel parts processing rate shall not exceed 2.5 tons per hour.2. Particulate emissions shall not exceed 7.58 lbs per hour, as required by Regulation 401 KAR 61:020.3. Visible emissions shall not equal or exceed 40 % opacity, as required by Regulation 401 KAR 61:020.
07 (31-34)	Ransohoff 4-Stage Washer	<ol style="list-style-type: none">1. Washing fluid usage rate shall not exceed 3 gallons per hour.2. Particulate emissions shall not exceed 2.34 lbs per hour, as required by Regulation 401 KAR 59:010.3. Visible emissions shall not equal or exceed 20 % opacity, as required by Regulation 401 KAR 59:010.
08 (01-06)	Two Carburizing Furnaces	
09 (17-19)	Three Endothermic Atmosphere Generators	
10 (38)	Gas-Fired Indirect Heat Exchanger	<ol style="list-style-type: none">1. Maximum heat input shall not exceed 3.05 mmBTU per hour.2. Particulate emissions shall not exceed 0.8 lb/mmBTU, as required by Regulation 401 KAR 61:015.3. Visible emissions shall not exceed 40% opacity as required by Regulation 401 KAR 61:015.

PERMIT - Continued

<u>POINT OF EMISSION</u>		<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
			4. Sulfur dioxide emissions shall not exceed 6.0 lbs/mmBTU as required by Regulation 401 KAR 61:015.
11	(45)	Endothermic Atmosphere Generator	
12	(46, 47, 50)	Carburizing Furnace	
13	(48, 49)	Two Drawing Furnaces	
14	(-)	Rotary Hardening Furnace	
16	(-)	Twelve Quench Presses	Fugitive particulate emissions shall be controlled in accordance with Regulation 401 KAR 63:010.
17	(58)	Hobart-Eaton Welder (E/A 201816)	1. Solid steel welding wire usage shall not exceed 0.007 ton per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
18	(59)	Hobart-Eaton Welder (E/A 201468)	1. Solid steel welding wire usage shall not exceed 0.023 ton per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010.

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<u>POINT OF EMISSION</u>		<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
			3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
19	(58)	Hobart-Eaton Welder (E/A 201517)	1. Solid steel welding wire usage shall not exceed 0.033 ton per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
20	(60-61)	Conveyorized Spray Parts Washer & Dryer	1. Detergent usage shall not exceed 0.083 gallon per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
22	(62-63)	Dip tank & Mix Booth	
24	(82-84 & 87-90)	Seven 8000 Gallons Tanks Tanks 1-4 & 7-9	
25	(75-81)	Seven 8000 Gallons Tanks Tanks 10-16	
26	(73 & 74)	Two 8000 Gallons Tanks Tanks 17 & 18	

PERMIT - Continued

<u>POINT OF EMISSION</u>		<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
27	(69-72)	Four 8000 Gallons Tanks Tanks 19-22	
28	(92 & 95)	7500 and 3600 Gallons Tanks Tanks 92 & 95	
29	(85 & 86)	Two 8000 Gallons Tanks Tanks 5 & 6	
30	(-)	Ransohoff 5-Stage	<ol style="list-style-type: none"> 1. Washing fluid usage rate shall not Conveyor Washer exceed 1.0 gallon per hour. 2. Particulate emissions shall not exceed 2.34 lbs per hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20 % opacity, as required by Regulation 401 KAR 59:010.
31	(-)	Heat Treatment Lab	
32	(-)	11 Cin-Mil T-20 Machining Gallon Filtration System	<ol style="list-style-type: none"> 1. Oil usage rate shall not exceed 0.48 Centers & AFC 18 thousand gallon per hour. 2. Particulate emissions shall not exceed 2.34 lbs per hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20 % opacity, as required by Regulation 401 KAR 59:010.
33	(59)	Hobart-Eaton Welder (E/A 201479)	<ol style="list-style-type: none"> 1. Steel parts processing rate shall not exceed 50 pieces per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010.

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<u>POINT OF EMISSION</u>	<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
34 (58)	Hobart-Eaton Welder (E/A 201784)	3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
36 (-)	Two Induction Hardeners	1. Steel parts processing rate shall not exceed 50 pieces per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
37 (36) (E/A 201805)	Dog Collar Welder	1. Copper welding wire usage rate shall not exceed 10.3 lbs per hour. 2. Particulate emissions shall not exceed 2.34 lbs per hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20 % opacity, as required by Regulation 401 KAR 59:010.
38 (58)	Hobart-Eaton Welder (E/A 201764)	1. Steel parts processing rate shall not exceed 50 pieces per hour. 2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010. 3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.

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<u>POINT OF EMISSION</u>	<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
39 (59)	Miller Brake Bracket	<ol style="list-style-type: none">1. Solid steel welding wire usage rate Robotic Welder shall not exceed 0.015 ton per hour.(E/A 201834)2. Particulate emissions shall not exceed 2.34 lbs per hour, as required by Regulation 401 KAR 59:010.3. Visible emissions shall not equal or exceed 20 % opacity, as required by Regulation 401 KAR 59:010.
40 (58)	Hobart-Eaton Welder (E/A 201835)	<ol style="list-style-type: none">1. Steel parts processing rate shall not exceed 50 pieces per hour.2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010.3. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.
41 (97)	Hydrochloric Acid Storage Tank	Hydrogen chloride fill rate shall not exceed 3,000 gallons per hour.
43 (99)	Peerless Gas-Fired Indirect Heat Exchanger	<ol style="list-style-type: none">1. Maximum heat input shall not exceed 1.05 mmBTU per hour.2. Particulate emissions shall not exceed 0.56 lb/mmBTU, as required by Regulation 401 KAR 59:015.3. Visible emissions shall not exceed 20% opacity as required by Regulation 401 KAR 59:015.4. Sulfur dioxide emissions shall not exceed 3.0 lbs/mmBTU as required by Regulation 401 KAR 59:015.

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<u>POINT OF EMISSION</u>	<u>AFFECTED FACILITY</u>	<u>CONDITIONS</u>
44 (100)	Raypak Gas-Fired Indirect Heat Exchanger	<ol style="list-style-type: none">1. Maximum heat input shall not exceed 2.1 mmBTU per hour.2. Particulate emissions shall not exceed 0.56 lb/mmBTU, as required by Regulation 401 KAR 59:015.3. Visible emissions shall not exceed 20% opacity as required by Regulation 401 KAR 59:015.4. Sulfur dioxide emissions shall not exceed 3.0 lbs/mmBTU as required by Regulation 401 KAR 59:015.
45 (59)	Hobart-Eaton Welder (E/A 201549)	<ol style="list-style-type: none">1. Solid steel welding wire usage shall not exceed 8.0 lbs per hour.2. Particulate emissions shall not exceed 2.34 lbs/hour, as required by Regulation 401 KAR 59:010.4. Visible emissions shall not equal or exceed 20% opacity, as required by Regulation 401 KAR 59:010.

PERMIT - Continued

GENERAL CONDITIONS:

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be (a) violation(s) of State Regulation 401 KAR 50:035, Permits, Section 4 and is grounds for an enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. Any deviations from permit requirements, including those due to upset conditions, shall be promptly reported to the Division's Bowling Green Regional Office. In accordance with State Regulation 401 KAR 50:055, General compliance requirements, Section 1, the reports shall describe the probable cause of the deviations and corrective actions or preventative measures taken.
3. This permit shall become null and void after five years following the date of issue. Application for renewal shall be made at least six months prior to the expiration date.
4. All records and support information required by State Regulation 401 KAR 50:035, Permits, shall be retained at the source authorized by this permit for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality.
5. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit.
6. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance.
7. The permit contained herein may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay any permit condition.
8. The permit does not convey property rights or exclusive privileges.
9. The permittee shall perform compliance certification and record keeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to State Regulation 401 KAR 50:035, Permits, Section 3(4).
10. The permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking, reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Division, copies of records, reports, and other information required by the permit to be kept.
11. The permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in State Regulation 401 KAR 50:038, Title V emissions fee.

PERMIT - Continued

GENERAL CONDITIONS:

12. The permittee shall allow the Cabinet or an authorized representative to perform the following:
 - a. Enter upon the premises where a source is located or emissions-related activity is conducted, or where records are kept;
 - b. Have access to and copy, at reasonable times, any records required by the permit:
 1. During normal office hours, and
 2. During periods of emergency when prompt access to records is essential to proper assessment by the Cabinet;
 3. During an emergency; and
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times shall include, but are not limited to the following:
 1. During all hours of operation at the source,
 2. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements. Reasonable times shall include, but are not limited to the following:
 1. During all hours of operation at the source,
 2. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 3. During an emergency.
13. Nothing in this permit shall alter or affect the authority of the U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.
14. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance.
15. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
16. Pursuant to State Regulation 401 KAR 50:035, Permits, Section 4(7), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and

PERMIT - Continued

GENERAL CONDITIONS:

16. (Continued)

- d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency if the notice met the requirement of State Regulation 401 KAR 50:035, Permits, Section 4(1)(c)3.b., and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
17. Emergency provisions listed in General Condition 16 are in addition to any emergency or upset provision contained in an applicable requirement.
18. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof.
19. Except as provided in State Regulation 401 KAR 50:035, Permits, compliance by the affected facilities listed herein with the conditions of this permit shall be deemed to be compliance with all applicable requirements as of the date of the issuance of this permit.
20. Pursuant to State Regulations 401 KAR 50:012, General application, Section 1(1) and 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all air pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by State Regulation 401 KAR 50:055, Section 1.
21. Particulate, sulfur dioxide, and visible emissions as measured by methods referenced in State Regulation 401 KAR 50:015, Documents incorporated by reference, Section 1, shall not exceed the respective pollutant emission limitations specified herein.
22. All previous operating permits issued to this source for this location are hereby null and void.